

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

**ALASTALO et al**

Atty. Ref.: **30-557**

Serial No. **10/069,462**

Group:

National Phase of: **PCT/FI00/00724**

International Filing Date: **25 August 2000**

Filed: **March 13, 2002**

Examiner:

For: **METHOD FOR BLEACHING PULP WITH CHLORINE  
DIOXIDE**

\* \* \* \* \*

**May 2, 2002**

Assistant Commissioner for Patents  
Washington, DC 20231

**REQUEST TO WITHDRAW ERRONEOUSLY ISSUED  
NOTIFICATION OF MISSING REQUIREMENTS**

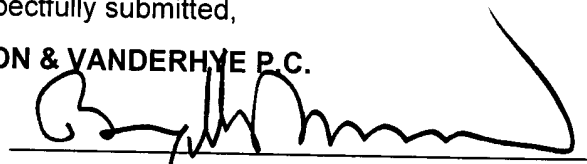
Sir:

Applicants request that the Notification of Missing Requirements mailed April 26, 2002 (copy enclosed) be withdrawn as issued in error. Specifically, applicants note that a Declaration was in fact submitted on March 13, 2002 as evidenced by the enclosed copy of the postal receipt card. Also enclosed are copies of all of the papers submitted on March 13, 2002; i.e., cover sheet, Declaration, Supplemental Information Disclosure Statement, Letter re New Inventor Addresses and Assignment with Recordation Cover Sheet. Accordingly, the present application was complete as of March 13, 2002 so that the Notification of Missing Requirements was issued in error. Withdrawal of the same is requested.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:



**Bryan H. Davidson**

Reg. No. **30,251**

**BHD:Imy**

1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

 Commissioner for Patents, Box PCT  
 United States Patent and Trademark Office  
 Washington, D.C. 20231  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/069,462	Alastalo	30-557

INTERNATIONAL APPLICATION NO.
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PCT/FI00/00724

I.A. FILING DATE	PRIORITY DATE
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08/25/2000

08/26/1999

Nixon & Vanderhye  
 1100 North Glebe Road  
 8th Floor  
 Arlington, VA 22201-4714

CONFIRMATION NO. 3386

371 FORMALITIES LETTER



\*OC000000007964548\*

Date Mailed: 04/26/2002

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Preliminary Amendments
- Request for Immediate Examination

#### DOCKETED

CLT/MATTER # 30-557  
 MAIL DATE 4-26-02  
 DUE DATE June 26, 2002  
 FINAL DEADLINE NOV. 26, 2000  
 DOCKETED BY pat

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

SHAKEEL AHMED

Telephone: (703) 305-3659

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/069,462	PCT/FI00/00724	30-557

FORM PCT/DO/EO/905 (371 Formalities Notice)

Serial No.: 1p/069462 Atty: BHD  
Applicant: ALASTALO et al Date: 3-13-02  
Title: Method for Bleeding Client: 80  
Pump with Chlorine Dioxide Ref: 557

☐ Amendment  
☐ Pages Specification  
☐ Claims  
☐ Sheets Drawings: Formal ☐  
Informal ☐  
☒ Declaration (1 Pages)  
☒ Assignment  
☐ Priority Document  
☐ Base Issue Fee Transmittal  
40.- Fee (Check)



Other: (1) Supplemental IDS  
(2) Letter Re New Invention  
Addresses

RECEIVED  
JUN 17 2002  
TC 1700

# COPY

30-557

Nixon & Vanderhye P.C. (10/99)  
(Domestic Non-Assigned/Foreign) Page 1

## RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD FOR BLEACHING PULP WITH CHLORINE DIOXIDE**

the specification of which (check applicable box(es)):

☐ is attached hereto  
☐ was filed on \_\_\_\_\_ as U.S. Application Serial No. \_\_\_\_\_ (Atty Dkt. No. 30-557)  
☒ was filed as PCT international application No. PCT/FI00/00724 on 25 August 2000  
 and (if applicable to U.S. or PCT application) was amended on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number	Country	Day/Month/Year Filed
19991815	Finland	26 August 1999
19991816	Finland	26 August 1999
19991817	Finland	26 August 1999

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below:

Prior U.S./PCT Application(s): Application Serial No.	Day/Month/Year Filed	Status: patented pending, abandoned
PCT/FI00/00724	25 August 2000	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8<sup>th</sup> Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32105; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; Robert A. Molan, 29834; B. J. Sadoif, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19628; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180. I also authorize Nixon & Vanderhye to delete any attorney names/numbers no longer with the firm and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s).

1.	Inventor's Signature: <u><i>Jaana Alastalo</i></u>	Date: <u>Feb. 17, 2002</u>
	Inventor: <u>Jaana</u> <u>ALASTALO</u> (first) (last) Residence: (city) <u>Karhula</u> <u>MI</u> (state/country) <u>Finland</u> Mailing Address: <u>Siikakoskenpolku 16 as 1, Karhula, Finland</u> (Zip Code) <u>FIN-48710</u>	Finnish (citizenship)
2.	Inventor's Signature: <u><i>Olavi Pikka</i></u>	Date: <u>Mar. 8, 2002</u>
	Inventor: <u>Olavi</u> <u>PIKKA</u> (first) (last) Residence: (city) <u>Karhula</u> <u>MI</u> (state/country) <u>Finland</u> Mailing Address: <u>Alhonkatu 15, Karhula, Finland</u> (Zip Code) <u>FIN-48600</u>	Finnish (citizenship)
3.	Inventor's Signature: <u><i>Janne Vehmaa</i></u>	Date: <u>Feb. 28, 2002</u>
	Inventor: <u>Janne</u> <u>VEHMAA</u> (first) (last) Residence: (city) <u>Huutjärvi</u> <u>MI</u> (state/country) <u>Finland</u> Mailing Address: <u>Oravankuila 2 B 8, Huutjarvi, Finland</u> (Zip Code) <u>FIN-49210</u>	Finnish (citizenship)

FORM PTO-1390 (REV 11-2000)	U.S. DEPARTMENT OF MERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER <b>30-557</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)  <b>10/069,462</b>
INTERNATIONAL APPLICATION NO. <b>PCT/FI00/00724</b>	INTERNATIONAL FILING DATE <b>25 August 2000</b>	PRIORITY DATE CLAIMED <b>26 August 1999</b>
TITLE OF INVENTION <b>METHOD FOR BLEACHING PULP WITH CHLORINE DIOXIDE</b>		
APPLICANT(S) FOR DO/EO/US <b>ALASTALO et al</b>		

COPY

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 To 20 below concern document(s) or information included:**

11. ☒ A Supplemental Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A FIRST preliminary amendment.
14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information. **LETTER RE NEW INVENTOR ADDRESSES**



COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Atty. Ref.: 30-557

Serial No. 10/069,462

Group:

National Phase of: PCT/FI00/00724

International Filing Date: 25 August 2000

Filed: March 13, 2002

Examiner:

For: METHOD FOR BLEACHING PULP WITH CHLORINE DIOXIDE

\* \* \* \* \*

March 13, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

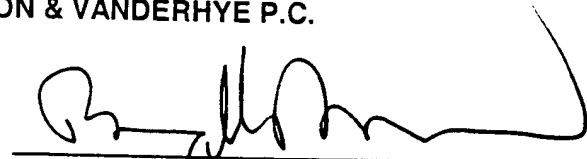
Supplemental to the Information Disclosure Statement filed February 26, 2002, applicants now enclose copies of references cited in a Search Report from the Finnish Patent Office listing these references in a PTO-1449, as well as a copy of the Finnish Patent Office Search Report.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:



Bryan H. Davidson  
Reg. No. 30,251

BHD:Imy  
1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100



**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

**SERIAL NO**

**30-557**

**10/069,462**

APPLICANT

(Use several sheets if necessary)

FILING DATE

**GROUP**

**March 13, 2002**

## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

DOCUMENT		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	73020	4/1987	FI				
	WO 98/21400	5/1998	WIPO				X

**OTHER DOCUMENTS** (including Author, Title, Date, Pertinent pages, etc.)

*Examiner			Date Considered	
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

**ALASTALO et al**

Atty. Ref.: **30-557**

Serial No. **10/069,462**

Group:

National Phase of: **PCT/FI00/00724**

International Filing Date: **25 August 2000**

COPI 11

Filed: **March 13, 2002**

Examiner:

For: **METHOD FOR BLEACHING PULP WITH CHLORINE DIOXIDE**

\* \* \* \* \*

**March 13, 2002**

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**LETTER RE NEW INVENTOR ADDRESSES**

Two of the inventor addresses have changed since the PCT application was published. On the Declaration which is being filed concurrently herewith, the inventor Alastalo's address is the new one; however, the inventor Vehmaa's address is old. For record purposes these two inventors current addresses are set forth as follows:

Janna ALASTALO  
Siikakoskenpolku 16 as 1  
FIN-48710 Karhula  
Finland

Janne VEHMAA  
Merikotkantie 17  
FIN-49220 Siltakylä  
Finland

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By:



**Bryan H. Davidson**

Reg. No. 30,251

**BHD:Imy**

1100 North Glebe Road, 8th Floor  
Arlington, VA 22201-4714  
Telephone: (703) 816-4000  
Facsimile: (703) 816-4100

RECORDATION FORM COVER SHEET

PATENTS ONLY

COPY

Our Ref.: 30-557

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

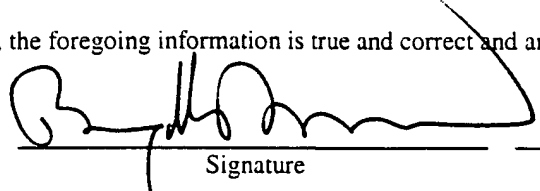
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Janna ALASTALO Olavi PIKKA Janne VEHEMA</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: February 19, March 8 and February 28, 2002</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: ANDRITZ-AHLSTROM OY Internal Address: Street Address: Tammasaarenkatu 1  City: Helsinki State/Country: Finland Zip: FIN-00180</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: February 19, March 8 and February 28, 2002</p>	
<p>A. Patent Application No(s). (1) 10/069,462 (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p>
Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Bryan H. Davidson Internal Address: Street Address: Nixon &amp; Vanderhye P.C. 1100 North Glebe Road 8<sup>th</sup> Floor City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
--	--

DO NOT USE THIS SPACE

<p>9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p>		
<p>Bryan H. Davidson Name of Person Signing Reg. No. 30,251</p>	 Signature	<p>March 13, 2002 Date</p>
<p>Total number of pages including original cover sheet, attachments, and document: [3]</p>		

ASSIGNMENT

COPY

WHEREAS, Janna ALASTALO, Olavi PIKKA, and Janne VEHEMAA, (hereinafter ASSIGNORS) of Siikakoskenpolku 16 as 1, FIN-48710 Karhula, Finland; Alhonkatu 15, FIN-48600 Karhula, Finland; and Oravankuja 2 B 8, FIN-49210 Huutjärvi, Finland, respectively, have invented a certain improvement in METHOD FOR BLEACHING PULP WITH CHLORINE DIOXIDE for which a so-entitled U.S. national phase application based on PCT/FI00/00724 for Letters Patent of the United States is being concurrently executed herewith or was filed in the United States Patent and Trademark Office on \_\_\_\_\_ under Serial No. \_\_\_\_\_;

WHEREAS, ANDRITZ-AHLSTROM OY (hereinafter ASSIGNEE), a corporation of Finland, having an office and place of business at Tammasaarenkatu 1, FIN-00180 Helsinki, Finland is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said invention in the United States and all foreign countries, as described in the aforesaid application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys, Nixon & Vanderhye P.C., have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

And, ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention; and to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Agreeing, further, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

February 19, 2002

Date

Jaana Alastalo  
Jaana ALASTALO

Witnessed by:

Sari Mänttilä-Kaupila

Name: SARI MÄNTTILÄ-KAUPILA

Date: February 19, 2002

March 8, 2002

Date

Olavi Piikka  
Olavi PIKKA

Witnessed by:

Sari Mänttilä-Kaupila

Name: SARI MÄNTTILÄ-KAUPILA

MARCH 8, 2002

Date:

February 28, 2002

Date

Janne Vehmaa  
Janne VEHMAA

Witnessed by:

Eija Rüster

Name: EIJÄ RÜSTER

February 28, 2002

Date: